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 TI Preparation of cellulase synergistic protector solution and its use in
 treating cellulose fiber
 IN Zhang, Mei; Zhang, Xiaoling; Liu, Ruiqiong; Tu, Zaorui
 PA Beijing Inst. of Textile Science, Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
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PRAI	CN 1997-111773		19970514		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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CN 1199116	ICM	D06M016-00
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AB The protector is composed of 0.5-5.0 M alc. soln. 1-35, 0.2-1.5 M nonionic
 surfactant soln. 0.1-10.0, 0.05-1.0 M polysaccharide soln.
 0.4-7.0, 0.5-1.0 M org. acid 0.05-2, and water to 100%. The protector may
 contain 0.1-0.9 M inorg. salt 0.5-10%. The alc. is selected from ethanol,
 ethylene glycol, glycerin, pentaerythritol, polyethylene glycol, and
 sorbitol; the surfactant from Tween-20, polyoxyethylene alkyl
 ether, polyoxyethylene aryl ether, polyoxyethylene alkyl ester,
 polyoxyethylene aryl ester, polyoxyethylene alkylphenol ether, and
 polyethylene glycol sorbitol laurate; the polysaccharide from
 methylcellulose, ethylcellulose, hydroxymethylcellulose, lactose, and
 sucrose; the org. acid from formic acid, acetic acid, propanoic acid, and
 oxalic acid; and the inorg. salt from NaCl, NaOAc, Na formate, Na3PO4,
 NaH2PO4, Na2HPO4, Ca formate, Ca(OAc)2, CaCl2, MgCl2, and Mg(OAc)2. The
 cellulose type fiber is treated by soaking the fiber in the protector
 soln. at 45-55.degree. and pH 4.5-5.5 for 30-90 min. The ratio of the
 protector-cellulose fiber is 0.2-5:100.
 ST cellulase protector prepn cellulose fiber treatmen